

Varsity Guest Weekend Edition

THE GATEWAY

UNDERGRADUATE NEWSPAPER OF THE UNIVERSITY OF ALBERTA

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EIGHT PAGES

Snow-Covered Campus Awaits VGW Visitors



An aerial view of the University of Alberta campus, taken from a University flying club plane. Looking north towards the North Saskatchewan river, the main north-south artery is 114 Street which leads directly to the unfinished Administration building. On the left-

hand side of 114 Street, reading from bottom to top, are the Aberhart Memorial sanatorium, the Nurses residence, the Provincial auditorium (extreme left), and Varsity rink. Across 88th Avenue from the rink is Varsity gym, immediately north of which is the Students Union building. Between the two buildings is a parking lot. North of 89th Avenue,

the three University residences can be seen. On the righthand side of 114 Street, reading again from bottom to top, are the Education building, the University hospital buildings, and the Alberta research council building, which faces 88th Avenue. Along the south side of 89th Avenue are St. Joseph's college, the infirmary, and St. Stephen's college, on

the corner of 112 Street, the eastern boundary of the campus. On the north side of 89th Avenue are the Administration building, at the head of 114 Street, the Engineering building, the Medical building, and the Rutherford library. North of the Engineering building are the quonset huts comprising Studio Theatre. Northeast of the Medical building is

the Arts building, the western annex of which is Convocation hall. The building at the extreme north end of the campus, is the Agriculture building, to which a new wing is to be added in the near future. The site of the proposed new gymnasium is to the left of the Students Union building.

—Aerial Photo by John Hillerud

Varied Program In Store For Guests

Close to 5,000 visitors are expected to attend the sixth annual Varsity Guest Weekend, weather permitting. Weekend committee officials told The Gateway. The stepped-up publicity program, this winter, the steady increase of visitors noted each year, and the response so far from groups planning to visit the campus led officials to make this optimistic estimate.

A crowded program of events awaits the visitor. These range from tours of buildings, concerts, a variety show, the Alumni Homecoming Ball, athletic events, and teas. A full schedule of events, as far as could be determined at presstime, will be found on the back page of this edition.

Registration will take place Friday, March 1, from 2 p.m. to 5 p.m.,

with a booth in the Students Union building and one in the Arts building. Registration will continue Saturday from 9 a.m. to 5 p.m. Booths will be set up in all major buildings. Visitors registering will receive copies of the Varsity Guest Weekend booklet, edited by Harold Coward, containing a map of the campus and general information. Students stationed at the booth will give out information and direct visitors to buses and tours.

Weekend visitors will find numerous services available to them. Buses will take them to the Education building, located nine blocks south of the main campus, and the University farm, to view displays. A free baby-sitting service will be supplied by University of Alberta student nurses in the Students Union building.

One of the biggest events of the

Weekend is the annual "Varsity Varieties", a huge variety show held in Convocation hall. Response to the show has been so great that this

Send Edition Home

Copies of this special Varsity Guest Weekend edition will be distributed on the campus today and Friday. Students are asked to pick up two copies, and mail one home to their families. A total of 7,000 copies of this issue was printed, about twice as many as are normally distributed

year an extra performance has been added, a matinee Saturday afternoon. Tickets may be reserved by writing to 'Varsity Varieties', Students Union building, University of Alberta, Edmonton.

The University Symphony and Mixed Chorus plan a joint musical program Saturday afternoon, and visitors have been invited to a non-denominational church service Sunday morning.

Two hockey games are also on the agenda.

Varsity Guest Weekend, originally an exhibition of the work of the faculty of agriculture, is designed to show the people of Alberta what the University is doing and what kind of facilities are available. This year's visitors will see some changes on the campus, chiefly the almost-finished auditorium and the new Administra-

tion building, now nearing completion.

Classes will be cancelled Saturday morning, so that students can act as guides. All major buildings will be open for inspection.

Doug Burns, Students Union Public relations officer and director of Varsity Guest Weekend, has led a hard-working committee of over 50 students who have organized the Weekend. Gary Campbell, business manager, Richard Anthony, coordinator, Al Bryan, Weekend committee executive secretary, Jack Downey, "Varsity Varieties" director, Harold Coward, booklet editor, Beverley Brunelle, news releases, are among the many students who have spent a great deal of time and effort this winter preparing a welcome for the coming crowds of visitors.

X-Ray Used In Geological Analysis Of Rocks, Minerals

By Jim Slater

X-ray spectrography, a recent development in geological analysis, is now being used to classify rocks and minerals according to composition and age at the University of Alberta.

Geology is that science which deals with the history of the earth through the study of rocks and land formations. Dating of rock and fossil specimens is the only means we have of arranging this history on a relative time scale.

How does an X-ray spectrograph work? Most minerals contain minute amounts of radioactive substances whether they are deposited as sediment on an ocean bed or blown out as lava from volcanoes. When the mineral forms a crystalline state through precipitation from solution or cooling from the molten state, the molecules become arranged in a definite pattern with the distances between "atomic planes" a value characteristic of that mineral. The radiation from the radioactive material disturbs the atomic planes in the crystal, the extent of damage being dependent on the intensity of the rays and time of exposure to them.

The spectrograph provides a means of measuring this change. X-rays passing through the crystal are reflected and refracted by the atomic planes and recorded on photographic film. The result is a series of circles and lines known as a Laue Diagram.

By careful comparison of this diagram to those of samples which have not been subjected to radiation, the composition and age of the mineral can be determined.

This method of dating rocks has several advantages over previous ones. Paleontology, a branch of geology concerned with the study of fossils, has been used for many years to estimate age. The sizes of these fossils range from those of one-celled plants and animals to dinosaurs.

Often the fossils are difficult to identify, however, and in some regions they cannot be found. Furthermore, a reasonably-sized rock specimen has to be available. Using the X-ray method, the presence of fossils is immaterial, the analysis relatively easy and the maximum size required about that of the head of a pin.

The intensity of rays used is much less than that required for medical purposes. The chief disadvantage is the availability and portability of equipment, but this will undoubtedly improve as the technique becomes more popular. Dr. R. E. Folinsbee, head of the department of geology, and his associates are doing pure research on conditions found in Alberta.

Why is rock dating important? In this province, information regarding rock strata formations is indispensable in the exploration of petroleum and natural gas.

Geological time is divided into eras, each of which is usually millions of year in length. However, during only a small part of this time did the conditions which are necessary for the production of gas and oil prevail. The oil-bearing shales may be several miles deep. Drilling a well costs as much as a million dollars a day.

With this much at stake it is necessary to know the depth yet to be drilled before a strike can be expected and particularly that beyond which the finding of oil is improbable.

Age determination is also important in mining, where data concerning the size, orientation and richness of ore bodies is required.

Paleontology is used extensively throughout these industries; often

several specialists being assigned to one well. New procedures other than X-ray spectrography are being devised for certain ores.

Experiments in which the radioactive disintegration of a potassium isotope into argon gas have been carried out by Dr. Folinsbee with reasonable success.

Until recently, the field of geology was confined largely to the identification by visual and

chemical means of ores and minerals. With the application of modern ideas and procedures such as X-ray spectrography, it is today more of a science than an art.

The geologist must have a thorough grounding in mathematics and physics if he is to carry out his work effectively. He has to be able to apply his knowledge to the needs of modern industry.

Mineral Work



Absorbed in minerals are Harry Stewart of Willingdon, Dena Beard of Calgary, and Bob Germundson of Rochester, second-year geology students.

—Photo by John Hillerud

Studio Theatre Farthest North

A tiny but flourishing theatre, often called the "farthest north in Canada" is on the University campus.

Studio Theatre, a part of the university's department of fine arts, is located in three renovated quonset

huts accommodating a theatre which seats 150, a small lobby, dressing rooms, offices and workshops.

Studio Theatre will open on March 2 as a display. The work shops, dressing rooms, and stage will be shown.

As A Profession

By Denise Helgason

Teaching as a profession is coming into its own. The poorly-paid teacher-janitor-community leader instructing eight grades in an isolated one-room school-house is fast becoming a legendary person, as consolidation progresses and salary schedules increase.

Most of the teachers for the thousands of positions which will be opening up will be trained by the faculty of education on the Edmonton campus. Prospective teachers entering the winter session have their choice of several programs.

There are two general programs, one for elementary school teaching, grades I to VI, and one for secondary school teaching, grades VII to XII. In the latter program, considerable specialization is possible, either in the usual academic subjects such as English, French, or mathematics, or in the special subjects such as household economics, industrial arts, physical education, fine arts, and commercial subjects.

In addition, there are two highly specialized programs, industrial arts, and physical education, which is a separate school at the University, directed by Dr. M. L. Van Vliet.

All programs except physical education provide for certification at the end of two years'

training, higher certification at the end of the third year, and the Bachelor of Education degree at the end of the fourth year.

One-year Program

The faculty of education also offers a special one-year program qualifying for a junior elementary certificate.

Courses in education method, psychology, and administration are balanced with arts and science options for all but Junior "E" students. Since the Education building is located nine blocks south of the main part of the campus, most students may be seen walking the distance at least once or twice a day. A campus political party which formed the government at Model Parliament in February promised to construct a chair-lift between the Education building and the Arts building, but in the meantime, it could be said that education students are the fastest walkers on the campus.

The most hectic days of the education courses are spent during a nine-week "apprenticeship period", when each student chalks up a total of 24 hours of full command in a classroom. Student teaching and observation occupy every afternoon of the week, while regular university courses are taken in the morning.

Since many of the schools are loc-

Hour CKUA Program

By Hugh Myers

Student radio activity has stepped up rapidly this year with the establishment of a four-station network and a weekly hour-long program over Edmonton's CKUA.

Network programs, 15 minutes long, are heard weekly. CHAT Medicine Hat broadcasts them from 9:00 to 9:15 a.m. Saturday, CKXL Calgary from 7:15 to 7:30 Sunday, CKRD Red Deer from 10:45 to 11:00 p.m. Sunday, and CFGP Grande Prairie from 10:00 to 10:15 a.m. Monday.

CKUA gives the University Radio society the optimum time block of 5:00 to 6:00 p.m. every Friday. Radio society executives have expressed their gratitude to network stations and to CKUA for their help and co-operation.

In preparation for Varsity Guest Weekend, Radio Society has sent

Economical

House Ec Will Feature Meal Planning

Illustrations, exhibitions and displays of fabrics and their composition, and of the theory and practice of food preparation will be shown by the school of household economics during Varsity Guest Weekend.

The nutrition group will emphasize methods of planning meals that are attractive, adequate, and economical, and choices of appropriate equipment and utensils.

Household economics students will be available at all times in the South lab to greet visitors and to act as guides. They will provide all necessary information about courses, displays, the year's activities of the Household Economics club, and careers available to household economics graduates.

Institutional management will be effectively practiced when household economics students help serve hungry Weekend visitors in the cafeteria.

ated several miles from the campus, hurried lunches consisting of sandwiches eaten on the bus are not unusual for education students.

Panicky Moment

Despite the traditional moment of panic when the student teacher is first "on her own" facing a class of 30 pupils, the many satisfactions and rewards of teaching generally leave her looking forward to the time when she will have a classroom of her own.

She will find that the teacher is a wanted person. Readers of campus newspapers find school boards advertising for teachers side by side with industries advertising for engineers.

"Investigate the possibility of employment with a progressive school district and one that offers advancement and recognition!" says a typical school board, hoping to interest education students. One city school board alone is advertising for 300 teachers to commence duty in September, 1957.

Statistics show the reason for the concern of school administrators. Over 215,000 children, or approximately one-sixth of Alberta's population, are attending school. It is predicted that within 25 years that number will be doubled, loading Alberta's classrooms with close to half

letters to every station in the province asking them to accept an advertisement of Weekend features.

Complete radio coverage of Varsity Guest Weekend is planned and the following network program will be composed chiefly of Weekend highlights.

Network programs in general are highly selected. In one instance an hour-and-one-half recording was condensed to two and one-half minutes. Thus, a single quarter hour program may present several phases of university life, giving maximum information to the prospective university students and their parents, for whom the programs are primarily designed.

Such varied fare as Model Parliament and the Mixed Chorus, six Trinidadian students playing calypso music and an on-the-spot interview with a student in the act of donating blood at the University Blood Donor clinic has been presented in the past.

Paid for and operated entirely by students, Radio society has functioned on the campus since about 1932. At that time CKUA was the university station. In past years, professors as well as students have been featured in Radio Society broadcasts.

One extremely popular program involving professors was Champs and Chumps, introduced by Rhodes Scholar and past president of Radio society, Jim Redmond. Students tried to stick professors with difficult questions. Popular as this program was, it finally ended, stopped, so it is said, by an irate professor who could not remember the name of Louis XIV's mistress.

Radio Service, a branch of the department of extension and a broadcasting outlet for the faculty and for classical music, is presently offering to co-operate with Radio Society, although nothing final has been arranged.

A difficulty which has been becoming more acute with the society's growth is the lack of adequate equipment. Only the persistent efforts of Radio Society's ace technician and chief engineer Forbes Langstroth have so far made operations possible.

Teaching Coming Into Its Own

a million pupils.

Furthermore, fringe benefits, pension plans, and good working conditions combine to make teaching in modern schools a pleasant occupation with good security. The prospective university student would do well to consider entering the faculty of education.

(Miss Helgason is a second-year education student—Ed.)

During Varsity Guest Weekend, the educational psychology department, under the supervision of Dr. S. C. T. Clarke, is in charge of the main display. Information regarding mental health, machines for testing, and other devices of interest will be explained.

As an added attraction, a movie in the auditorium will present some aspects concerning mental health.

In conjunction with this display the art department is exhibiting a display of the correlation established between art and mental growth.

The Education Undergraduate society will serve tea to visitors from 2:30 to 5 p.m., March 2. In case prospective visitors were alarmed when they read of the nine-block hike required of education students wishing to "commute" to the rest of the campus, the Varsity Guest Weekend committee will provide bus service between 9 a.m. and 4 p.m.

"Careers In Agriculture" Theme Of Extensive Display

"Careers in Agriculture" will be the theme of the many displays which will be set up in the Agriculture building during Varsity Guest Weekend.

Visitors will be given a general idea of the type of work and studies carried on by agriculture students. A pamphlet will be available outlining the types of work, percentage-wise, that students do after graduation. A film, "Careers in Agriculture", will be shown during the weekend.

Buttermaking by automation, stainless steel food-contacting surfaces, and the crystalline structure of butter will be among the displays presented by the dairying department. Bacterial tests for sanitary condition of milk and chemical tests for the composition of dairy products will be demonstrated, and the visitor will be given a look at swimming bacteria. These displays will be in the South lab.

Soil Map

A large soil zone map outlining the various soil zones of the province, accompanied by profiles typifying each zone and outlining the general soil problems, will be displayed by the soil science department.

The visitor will then be given an indication of the type of information gained from such a chart and its interpretation will be explained. Next will come another large soil zone map, showing how data applies to each area, and how this data is beneficial in solving soil problems.

A display of pamphlets and leaflets containing this information will be available to the public. These displays will be in the Agriculture building.

The relation between the roulette wheel and genetics will be demonstrated by the plant science department. Actual plant populations will be presented to illustrate this relation. Direct analogies can be drawn to yield, quality, and disease resistance as hereditary factors.

The plant physiology and biochemistry division will have an ultra centrifuge, a geiger counter, and an oil extraction apparatus.

Wheat Problem Studied

Controversial issues such as the marketing board or the problem of the disposal of wheat will be illustrated by the agricultural economics department as a theoretical approach to a practical problem.

All displays of both the plant science and the agriculture economics department will be set up in the Agriculture building.

A typical rock garden with a pool scene will be exhibited in the greenhouse, set up by the horticulture and botany departments. Surrounding the rock garden will be a display of tropical flowers in dazzling colors, and tropical trees, as well as novelty plants. The rubber tree, monkey tree, orange tree, orchids, cotton plants, insect-trapping plants, and sensitive plants which fold up when touched will all be on display.

Besides this display in the botany greenhouse, a great deal of research is being carried on in wheat, barley and alfalfa breeding, plant pathology, soil deficiency and inoculation experiments.

Models of two modern farm buildings will be displayed at the university farm by the department of agricultural engineering. One building is a ridged frame building, and the other is a pole-frame beef shed.

Also at the farm will be displays of open rumen sheep, used for the study of digestion, crossbreeds of sheep on various feeding trials, performance testing, cross-breeding and feeding trials for both beef cattle and hogs.

The new turkey shelter and hog barn, both of modern design, will

also be open to inspection. The other buildings on the farm, including the dairy barn, livestock pavilion and the poultry farm, will also be open.

New Courses

Displays outlining the forthcoming courses in industrial agricultural engineering, to be offered in the near future by the faculty of agriculture will also be shown at the farm.

A correlation between work done at this farm and research being carried on in the Agriculture building laboratories will be the subject of the animal husbandry department display on the fourth floor of this building. The work done in the laboratories relates the technical side of research to its practical end as done on the farm.

Apparatus used by Animal Husbandry 68 students will be shown in a student laboratory apparatus. Soshlet and nitrogen apparatus will

be a part of this display.

A bomb calorimeter will be set up, with displays illustrating its use in determining the energy value of feeds.

Aids Enzyme Study

The Warberg apparatus and its use in enzyme studies will be the subject of another display. An artificial rumen is to be set up in the laboratory to further the display of the fistula sheep out at the farm.

A set of metabolism cages with rats and chicks will also be displayed if possible.

The 4-H Alumni club on the campus is also planning a display to be set up in the Agriculture building during the Weekend. This display, to be located on the second floor, will depict the work and objectives of the club. The club hopes that the display will stimulate interest in its work in former 4-H members coming to university.

Varied Displays Offered By Arts And Science Faculty

Painting, maps, minerals, insects, and a miniature volcano will be among the varied displays to be set up for Varsity Guest Weekend visitors by the different departments of the arts and science faculty.

Tropical plants will be shown in the greenhouse by the botany department in conjunction with the horticulture department of the faculty of agriculture.

Chemical principles of general interest will be demonstrated by the chemistry department in room 141, Medical building. Flame spectra, glow discharge, mercury heart, copper-nickel plating, perpetual fire, chemiluminescence, and a miniature volcano will be seen.

The chemistry department will nickel-plate car keys and hand out small hour-glass shaped samples of a coloured salt to visitors, as a souvenir of Varsity Guest Weekend.

The entomology department will have general-interest displays of insects in the Medical building.

Paintings Shown

The fine arts department will have on display in the Arts building paintings by Colleen Anderson and Joan Byrne, the first graduating students in the four-year diploma course in art.

Mineralogical and paleontology displays will be exhibited also in the Arts building, by the geology department.

The modern languages department, which gives instruction in French, German and Russian, with Spanish to be added to the curriculum next year, will set up a tape recorder and records in the Rutherford library. A staff member will be in attendance to satisfy interested visitors' curiosities about modern languages.

The psychology department will try to give a picture of the field of psychology and its application to life through demonstrations of psychological testing, and the clinical application of psychology and experimental determinations of human behaviour.

The zoology department will exhibit interesting animal specimens, with special emphasis on those found in Alberta. The zoology department is located on the second floor of the Medical building.

Use Of Geography

The geography department display, in room 135 of the Arts building, will attempt to demonstrate the breadth of the subject of geography and its usefulness in dealing with problems requir-

ing an integration of data from other fields which are more specialized.

The major divisions of the display will be physical and human geography.

For physical geography, the use of air photographs will be demonstrated. The photographs will be of local interest. Cartographic instruments and methods will also be displayed, along with an interesting group of foreign atlases.

In the human geography display, emphasis will be placed upon the developing field of historical geography, in the form of a series of maps of Britain, from prehistoric times to the present.

The physics department, in co-operation with the student Mathematics and Physics club, is preparing a group of displays to be shown in the Arts building. A liquid air demonstration will be given by Prof. D. B. Scott in room 111, Arts building, at 10 a.m., 11:30 a.m., 2 p.m. and 3:30 p.m.

A display of equipment for optics and radioactivity equipment will be shown in room 34, electronics and acoustics in room 32, general physics in room 19, and geophysics in room 19.

A mathematics display will also be set up in room 19

In Displays

Major Religious Clubs Included

Each major religious denomination is represented on the University of Alberta campus by a religious club holding regular meetings throughout the academic session. Several of these clubs plan displays and services for Varsity Guest Weekend visitors.

The Chapel Committee is a group of Protestant religious clubs which co-operate for interdenominational services at St. Stephen's college chapel. They are the Varsity Christian Fellowship and the Student Christian Movement, two interdenominational Protestant groups, the Canterbury club for Anglican students, the Lutheran Students Association, and the Theolog club, composed of students at St. Stephen's studying for the United Church ministry.

They Make VGW Possible

Coffee Anyone?



Food for hungry visitors is displayed by Catherine Manning (services committee director), Al Bryan (VGW committee executive secretary), and Carol Evenson (service committee member), all of Edmonton.

A Minor Problem



Busy VGW committee members Al Lang (Golden Key member representing 'Varsity Varieties' of Kitscoty, Shirley Tanner (Wauneita society president) of Edmonton, and Gary Campbell (business manager) of Edmonton, straighten out a minor problem.

Publicity Plans



Publicity plans are discussed by Bev Brunelle (news releases committee chairman) of Lethbridge, Harold Coward (registration and VGW booklet) of Lethbridge, Dick Anthony (coordinator and publicity committee chairman) of Edmonton, and Norma Fuller (editor of VGW edition of The Gateway) of Edmonton.

THE GATEWAY

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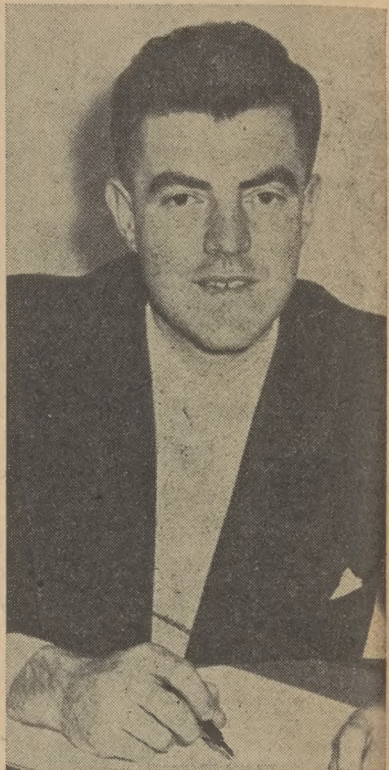
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John Chappel



Dr. Andrew Stewart



Doug Burns

Growth Means New Problems

The problem of increasing student enrollment is a many-sided one which the University of Alberta has so far escaped, although we talk now of our facilities being crowded. However, we are approaching a period of real crisis as far as the university's physical capacity is concerned. In five to seven years, the great crop of children born during the immediate postwar years will reach university entrance age.

Eastern colleges are already beginning to feel the effects of this enlarged enrollment, as age limits are somewhat lower there, owing to the preponderance of preparatory schools. The problems these colleges have now will be ours very soon.

We are not referring here to the problems of administration and of physical capacity, grave as these may be. Certainly, an extensive building program is indicated, although there are physical limits to such an expansion here.

We are referring rather to the danger that, with an enormously enlarged enrollment, the whole idea of a university may disappear. The freshman student of the future may find himself in huge classes taking notes from the dictation of a far-away voice belonging to some total stranger. It would perhaps be very unusual if, during his college life, the student ever got acquainted with very many people outside of his own faculty. Graduation to him might mean only the receipt of a diploma signifying that he has made a certain required average in certain required courses.

There are already those who view the university as a sort of brain-factory, and a university education merely as the means to a higher salary than would normally be expected with only high school education. This dangerous fallacy will gain still more credence if the universities are to grow so large and unwieldy that they lose sight of their real purpose: to aid the student to search for truth and to appreciate the finer things in life.

The jump from high school to university is a tremendous one for a student. Often living away from home for the first time, he is completely on his own, with no one to nag him to study or to tell him what to think.

In a huge institution, there is a grave danger that he will lose his individuality in the great mass of humanity of which he finds himself a member. He may graduate completely unchanged by university, his whole knowledge a few facts memorized from textbooks and lecture-notes, his opinions those of the people with whom he associates. He must retain his individuality, or his university education will have done him little good.

The Varsity Guest Weekend visitor will have a chance to see what students working together can do. Some are excellent organizers and co-ordinators; the talents of others may lie in journalistic or musical lines. The Weekend is truly the work of the whole campus, students and faculty. It would not be possible on a mammoth campus such as one finds in the east. The visitor would find there a bewildering variety of displays and events; but the chance would be slight indeed that his son or daughter would have had some part, large or small, in their production. The average student would be sunk into a routine of classes and coffee-breaks; the idea of using his own originality to aid a group to prepare for a Weekend such as this one would never occur to him.

We hope that the Varsity Guest Weekend visitor will enjoy his inspection of our campus. If he is thinking of enrolling here, we hope that he will consider carefully what we have said here about the need to preserve one's individuality at a large institution such as this university is becoming.

OUR GUESTS

For these few days the campus belongs to you — our guests. We hope you find it as stimulating and fascinating a place as do those of us who have planted our minds here. Ask questions, venture into classrooms and labs, see all that there is to see — in short, enter into our lives for a day or two.

But don't forget the campus as soon as you have left it. There is no need for a special occasion to permit you to visit us here. The welcome mat is always out and the University of Alberta quad is open to all.

JOHN CHAPPEL,
President, Students' Union

GROWING INSTITUTION

The University of Alberta is a growing institution. It must grow to meet the needs of the increasing number of young people who are through the schools, and will soon be looking for opportunities for further education. It must grow because Alberta and Canada will need more and more university graduates. Varsity Guest Weekend gives our visitors a chance to see what the University looks like from the inside, and to get some better idea of what goes on at the University. We are particularly pleased to welcome the

younger visitors who may in a year or two come here as students. We also welcome the parents of students who are now here.

Visitors will see that the students have been active in preparing for them. The University encourages the active participation of students; and Varsity Guest Weekend is one occasion which depends for its success on their efforts.

The University extends a warm welcome to everyone.

ANDREW STEWART,
President.

SIXTH ANNUAL

Seventeen years have passed since the faculty of agriculture and school of household economics initiated the program of inviting guests to the campus. It was twelve years later before the other faculties and schools felt inclined to do likewise. Prior to that time public science exhibits held in alternate years provided the only organized opportunity to display some of the interesting happenings which form part of the day to day business of any University.

Nineteen-fifty-seven therefore marks the sixth annual Varsity Guest Weekend.

The purpose behind putting the

University on display, so to speak, is two-fold; to encourage interest in your university and to show you what facilities exist to educate academically and socially nearly 5,000 students who presently attend. Coupled with the purpose is the hope that prospective university students and their parents will find the University of Alberta worthy of their support.

To achieve this purpose better, the students and faculty have combined together under student leadership to present a series of faculty displays, athletic events, cultural programs, not unlike the nature of events which daily take place throughout the year.

Added to this already crowded program is the now-traditional Alumni Ball and a mammoth variety show combining the varied talents which are to be found among any large group of people.

The weekend culminates on Sunday with an interdenominational service of worship.

On behalf of the many students and faculty members who have organized this year's activities, I would like to extend a warm welcome to the citizens of Alberta to visit this, your university, on March 1, 2 and 3.

DOUGLAS BURNS,
Varsity Guest Weekend Director.

Russian Tour With WUS

By Claus Wirsig

Soviet Phenomena

EDITOR'S NOTE:—This is the last of a series of articles, written by a University of Alberta student who toured the USSR last summer on a World University Service scholarship, which The Gateway has been running as a regular feature this winter.

To give a comprehensive picture of the Soviet Union in a short series of articles is impossible. Because my account of the Soviet Union in 1956 was based simply on observations and experiences of a three-week air tour of some of the principle areas, it suffered especially from the lack of a definitive treatment.

Nevertheless there are a number of phenomena which are evident even to the hurried visitor and which are vital to an understanding both of the present and the future of the Soviet State. Foremost perhaps is the agri-

cultural problem. Khrushchev carried out a revolution in agriculture with an aim to making the peasants (about one-half the Soviet population) once and for all integral members of the socialist state. He set-up his models agro farms in the vast virgin lands areas and plans to force the peasants in the older areas to submit to the same system. So far he has had only limited success in the virgin lands areas and none (practically speaking) in the older areas, but he has not yet given up. Agricultural problems loom large for the future.

"De-Stalinization" is a vital factor. Already it has turned into a Pandora's box which the Kremlin leaders cannot quite close. The Soviet people have tasted a limited amount of freedom and grabbed more. They will not be satisfied with less than a gradual increase in freedom, and the Soviet State is not in a position to

keep up the pace if only for the reason that it involves an increase in consumer production, which it is beyond the capabilities of the state to produce. There does not at present appear to be another Stalin who could keep the situation in hand with a ruthless suppression of all who will not conform to the greater needs of the state. It will be interesting to watch whether relative calm can be maintained in some other way.

Education is a chronic, though more long range, problem. Soviet education lacks balance both from the standpoint of education of the individual and also from the standpoint of the society in general. On the one hand, whole generations are being turned into inflexible specialists with little ability to adapt themselves to technological and social advance. On the other hand there are

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Even Internship

Physios Trained Extensively

By Ruth Jettkant

One of the busiest groups on the campus are the physiotherapy students. The 37 co-eds registered in the two years of the diploma course spend 25 to 38 hours a week taking subjects that would leave many an arts or engineering student gaping and breathless.

The 20-month course gives the women practical as well as theoretical training. Along with the basic sciences: anatomy, physiology and physics, the students

learn the use of heat, light, water, electricity and mechanical agents, including massage and remedial gymnastics, in their physical therapy courses.

During the first year of the course, September to April is spent in classes and labs on the campus. May, June and July are spent interning under direct supervision in approved physiotherapy clinics.

During the second year of the course the women spend 12 hours a week at clinics at the University hospital, interning, as well as another May to July session at hospitals in western Canada.

This year some of the physiotherapy students will be interning at hospitals in Edmonton, Calgary, Lethbridge, Banff, Winnipeg, Saskatoon, Vancouver and Victoria.

The students take turns acting as patients. In this way they learn what it is like to receive a treatment as well as how to administer it.

The School of Physiotherapy was opened in September, 1954, the first of its kind west of Toronto. Dr. J. R. Fowler, medical director of the Workmen's Compensation Board Rehabilitation clinic, is director of the school. Miss Nancy Rendall and Miss Moyna Gordon are instructors along with other lecturers from the University hospital and the faculty of medicine.

Nurse's School Will Hold Open House

The University of Alberta hospital and the University of Alberta schools of nursing will hold their annual "Open House" March 2. Normally held later in the spring, this year's "Open House" is being held during Varsity Guest Weekend to acquaint visitors, especially girls interested in entering nursing next fall, with the course of studies offered here at the university.

Scenes of nurses at work will be depicted in displays set up in the auditorium of the Nurses residence, 114 Street and 84 Avenue during Varsity Guest Weekend.

Students in the three-year diploma course will practise procedures on live patients—student volunteers. Students in the five-year course leading to a Bachelor of Science in nursing will demonstrate their reasons for choosing nursing as a vocation.

Visitors will be taken on a tour of both the hospital and the residence. They are invited to have coffee from 10 to 11:30 a.m. or tea from 2 to 4:30 p.m. with the student nurses, who will answer questions and discuss nursing careers with interested girls.

Mining And Geology

Group Features Two Museums

One of the very few groups which bring together the artsman and the engineer, who are traditional rivals, is the Mining and Geological society. Embracing all students in geology and mining engineering, the society has an enrollment of 103, and is affiliated with the Association of Professional Engineers of Alberta and the Canadian Institute of Mining and Metallurgy.

During Varsity Guest Weekend, the society will exhibit displays in both the paleontological museum and the mineralogy museum, on the third floor of the arts building.

Meetings of the society, held alternate Tuesdays, feature informative films or guest speakers who are experts in various fields of mining engineering and geology. Student participation is encouraged; and students are encouraged to give lectures at meetings on some aspects of the mining or geological field in which they are especially interested.

Varieties Depict Show Evolution

The development of show business from caveman days to the present will be the theme of 'Varsity Varieties', the annual Varsity Guest Weekend variety show.

The performances will be held Thursday, Friday and Saturday at 8:30 p.m. in Convocation hall. There will be an extra performance Saturday at 5 p.m. to accommodate out of town guests.

The show will feature acts ranging from the French can-can and vaudeville through Elvis Presley and Ed Sullivan show, which will star Howard Ritchie in the role of Sullivan. Ritchie will act as master of ceremonies throughout the show.

This year's performance will feature many stars of last year's show. Van Scraba will be seen doing her famous yodelling in the western number. Bob Aberdeen appears on the Ed Sullivan show as a comedian in town for the weekend. Among the newcomers to the show are pianists Deanna Shandro and Ron Wilson.

Jack Downey is directing this year's show, assisted by Keith Sveinson. 'Varsity Varieties' is a student production sponsored by the Gold Key society and is one of the highlights of Varsity Guest Weekend.

Tickets are \$1.50 each. They are available in the rotunda of the Arts building. Student tickets are on sale for 75 cents. Out-of-town guests may obtain tickets by writing to Varsity Varieties, Students Union building, University of Alberta, Edmonton.

Free Babysitting Service Courtesy Of The Nurses

The nurses of the University Hospital and the University of Alberta schools of nursing will be holding a baby-sitting service for all babies and young children who attend Varsity Guest Weekend. This service is designed to provide a better opportunity for parents to enjoy the numerous displays.

This free service will be held on the second floor of the Students Union building, room 309, from 10 a.m. to 5 p.m. March 2. A graduate nurse will be on duty at all times and student nurses will assist in the care of the children. Provision has been made for toys, books, games, and refreshments for the children.

SOVIET

Continued From Page 4

almost no products of what is termed the liberal arts. Shortage of organizers, civic leaders and administrators is acute. Retired army officers by the tens of thousands have been called upon to become directors of collective farms, for example, where native leadership was strikingly inadequate. As the bureaucracy and the social and economic structures become more complex, the situation will become increasingly desperate not only in agriculture but in industrial enterprises as well.

There are innumerable other difficulties as well, but I shall deal with only one more. For the most part, the ordinary citizen in the Soviet Union now has little recollection of the revolution. He resembles only the harsh austere years of "War Communism" and civil war followed by famine, reconstruction, economic revolution and forced collectivization, purges, war ravishment and then once more reconstruction. Miraculously he survived and perhaps he had a family. The average Soviet citizen is determined that his sons and daughters shall not have to live through a similarly harsh life. Nothing is spared to give them the things which were denied their parents. In the case of the ordinary working man (and women) this is not going to have serious consequences. But there is a class now developing of administration and bureaucratic officials, some communist party members and certain professional people whose children are being literally spoiled and who are now in the process of inheriting the privileges and extravagant luxuries of the Czarist nobility.

These young people no longer consider themselves participants in a workers' state and the indications are that they will not indeed become participants in the future. Not only these particular young people but also all other misfits in society as, for example, free thinking university students, hooligans, and young adventurers comprise the greatest single social problem in the Soviet Union today. For them Soviet progress is not fast enough and vacillations in official policy are bitterly perplexing. Youth is out-bittering the now reactionary system of its elders. If Soviet leaders attempt to reassert the principles of the Soviet system, as they are bound to do, then the events to come will be fascinating to watch.

Thus I have outlined a few impressions of the Soviet Union as they were gained on a tour last summer in company with seven other Canadians students and a professor who was our leader. We had considerable time to discuss our individual impressions and found that our opinions varied considerably on points of detail and emphasis but in general they were substantially as I have presented them to you in this series of articles in *The Gateway*.

The department of extension, located in the South lab, will show its exhibition of province-wide handicrafts and other displays. It is the university's link with the people of the province.

Strung Up



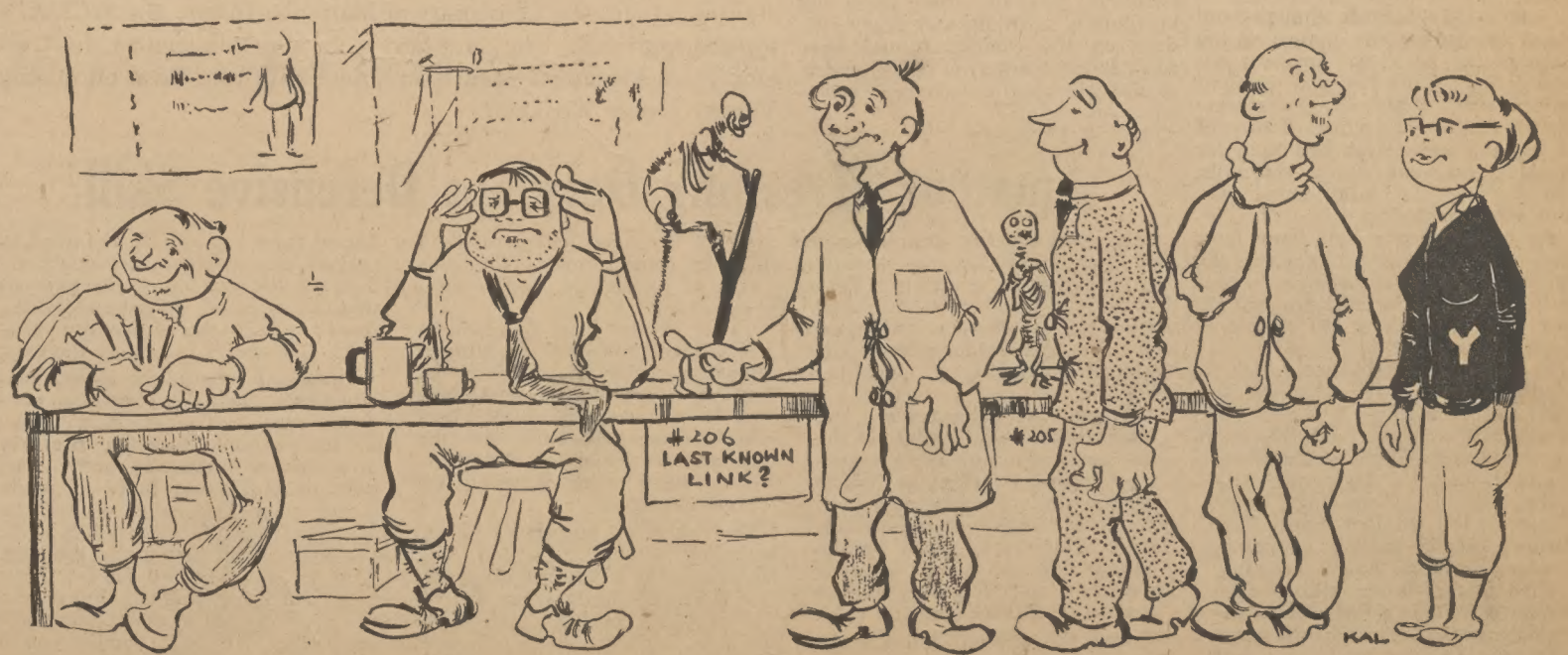
Yvonne Stehelin of Edmonton, second-year physiotherapy student, practices upon a volunteer "patient" the suspension therapy treatment she learned in lecture-sessions of the University's newest school. Yvonne will receive her diploma this fall.

VE6RR On Display Photos On Exhibit

The Amateur Radio Club VE6RR will display their equipment in the "Ham" shack, between the radio towers. Members of the club will broadcast two-way conversations between visitors to the campus March 2.

The photography directorate, located in the Students Union building, second floor, will exhibit portraits, landscapes, human interest and action photographs which have been taken by student photographers.

They Stayed Will You?



"These two specimens are not the missing link—they are Varsity students who missed their train home . . ."

End Season With Bisons

Hoopsters Take On Leaders

By Keith Guertin

The University of Alberta Golden Bear basketball team is nearing the end of their basketball season. Up to the moment they have won one game in four starts in Western Canada Intercollegiate Athletic Union league play. The team journeyed to the University of Manitoba where

the Bison crew, led by towering Jim Wright, took both games in the series by scores of 83-41 and 77-52. The U of M team, last years league winners and boasting a starting line-up of players six foot four inches in height or better, is both well-balanced and competitively seasoned. The Bears returned home and the

following week-end played host to the Huskies from the University of Saskatchewan. The first game (played Fri., Jan. 26) saw the home team eke out a close 54-47 win over the Saskatchewan team. The following night, however, a determined Huskie unit led by red-hot Dick Stark, checked and shot themselves

into a 63-55 victory. This game was played at Victoria Composite High School due to the Drill hall being engaged by the Engineers for their annual Engineers Ball.

In exhibition games this year the Bears had to contend with the antics of the globe-trotting Harlem Clowns. The outcome of these two games

were both in favor of the Clowns, although the Bears did not seem to mind too much since the touring team's capers kept the best crowds of the year fairly well entertained. The Bears also journeyed to Great Falls during the Christmas holidays and competed in a four team tournament down there. The other teams in the tournament were Northern Montana College, University of Wyoming, and a team from the Air Force base in Great Falls. Alberta's Al "Storky" Tollestrup took the individual high scoring honors for the tournament with an average of twenty points per game for the three games.

The most recent of the Bears' exhibition tilts were played against the Towne Hallers basketball team at the Drill hall. The more experienced Hallers downed the Bears in both games. The Bears coach Steve Mendryk also plays for the Hallers but for these games decided to remain in his role as coach of the Bears. Dr. M. L. Van Vliet, head of the School of Physical Education and former Bear coach, now coaches the Towne Hallers.

Members of this year's Bruin squad are: Al Tollestrup, Gene Welleschuk, Ron Ghitter, Bob Lamb, Roy Oswald, Wayne Lalor, Dave McLean, Don Munro, Bob Eden, Bob McArthur, and Ed Cook. The manager for the last two years has been and still is Ken Williamson.

Practices are held every night except Sunday at the drill hall from 4:30 to 6:30. Most of the players either come early or stay late for extra shooting practice.

The next visitors to the campus will be the University of Manitoba Bisons, who play here on the 22nd and 23rd of February. By all indications it should be a good series with the Bisons fighting to hold their WCIAU crown and the Bears making a strong bid for the position they once held so exclusively in Western Canada collegiate competition.

Displays Offered

Biochem, Chemistry, Dentistry

During Varsity Guest Weekend the various departments of medical science will feature displays designed to give the public an idea of the research programs that are being carried out in these fields of biochemistry, bacteriology, and dentistry or that have been carried on in the past.

The biochemistry department, headed by Dr. H. B. Collier, will have its display in room 325 of the Medical building where special equipment is used in the research and diagnosis of various diseases such as vitamin deficiencies and tumors. The apparatus employed in the separation of plant pigments, blood examinations, and in the many methods of tumor research will also be displayed.

The department of bacteriology will also feature an exhibit in the Med building. There will be a display of penicillin production and also a demonstration of antibiotic testing in this exhibition. Various problems in the microbiology of food and that of water will be shown as well. This department is headed by Dr. R. D. Stuart and, as usual, students registered in these courses will be on hand to answer questions.

The Dental Museum and also the seminar room will be open for inspection during the weekend. These are contained within the Medical building as well. Examples of early dental textbooks, oral anomalies and a complete set-up of techniques and procedures used in the construction of full dentures will be on display. Dr. W. S. Hamilton is the dean of this faculty.

Fosters Team Spirit And Sportsmanship

Intramural Program Flourishes Despite Inadequate Facilities

By Ross Hetherington

An excellent and well-varied intramural sports program flourishes on the U of A campus. This program is organized by the Department of Physical Education, under the direction of Mr. Herb McLachlin.

The purpose of the program is to provide, as far as possible, facilities for competition and recreation, and to organize and promote games between student group and individuals. The intramural program has as its aim to do all in its power to foster a spirit of fair play and good sportsmanship among participants and spectators.

Any student enrolled at the university, and having undergone a physical examination, is automatically eligible to enjoy all intramural privileges.

The first sports to start off the program in the fall are golf and tennis. Participants who do well in the intramural tournament are asked to try out for the intervarsity squad.

About the middle of November, is staged the most spectacular event of the entire program. It is the intramural cross-country race. On this day rivalry between fraternities, residences, faculties and individuals reaches its peak.

It is a sight that would be impossible to conceive, unless one could see it. Some 230 bodies line up on the grid beside the gymnasium. The starter fires a gun and everyone dashes away like a scared rabbit.

However, many run out of steam after a short time, and can be seen stopping for a short rest, possibly a short lunch or posing for the many photographers along the routes. It is not a joke for all, though, and about 10 real athletes appear at the front of the pack and battle it out over the gruelling two and one-half mile course. Frank King was winner this year with a record time of 16 mins. 2 secs. (Not bad time for running up and down ski hills, jumping logs, and overcoming various other obstacles).

As much as one half hour later men can be seen sprinting across the finish line trying desperately to beat out their buddy for spot number 178 instead of 179. Over 200 completed the race last fall.

The track and field meet is scheduled shortly after the cross-country, but unfortunately, due to bad weather it was not held this term.

Another highlight of the intramural program for which enthusiasm is increasing every year is the Outdoorsman's Day. Such events as log chopping, water boiling, beard growing, and barrel-bronc riding are featured. It is a fine chance for everyone to let his beard grow for a couple of weeks, dig out his old clothes, and clomp around

the campus in a pair of high top boots.

Concluding the fall's activities is the touch football league. This is a very popular sport with over 30 teams of nine players participating. The teams are divided into five leagues and the winners of these play off for the Interfraternity Council trophy. At this stage, competition becomes really keen, and one would think the Grey cup was at stake the way they battle it out until a winner is finally decided.

In the new year such sports as basketball, volleyball, and table tennis are scheduled. All contribute to a well rounded program and do more than a small amount to make life interesting and enjoyable on our campus.

The department of physical education is constantly striving to improve the program, but are limited to some extent because the facilities are none too spacious for over 4,000 students. Basketball takes up the gym two nights a week, so consequently games like badminton and handball are pretty hard to introduce.

Efforts are made every year to stage an intramural swim meet. However, to produce a swimming pool for a whole day appears to be an impossibility in this city.

It does appear, though, that perhaps in the near future we may be getting a new gym, skating rink, swimming pool etc. Then there will be literally no limit, and every student on the campus should have some sport to enter, to enjoy, and in so doing keep the waist-line somewhat respectable.

Amateur Wrestling Develops Defensive Skill

Comparatively few people realize that even today there is wrestling and then there is "wrestling". Yet on this campus, there is a club which teaches and practises wrestling as it first existed, except for a few changes designed to make it even more scientific.

Among such changes are the instantaneous pin in place of the one count pin, and the compulsory ground wrestling periods to replace the often dragging free-style wrestling. Both innovations were designed to speed up the action and to force amateur wrestlers to develop a higher degree of defensive skill.

Under the present point system, only one can emerge as the winner if the bout goes the distance. Be-

cause of the quick pin possible, the end may come quickly. Otherwise, a jury of judges decides the winner by decision.

One of the least appreciated facts about amateur wrestling is that in order to compete, an athlete is not required to have junior and or senior high school experience. Because of the general set-up of the clubs, nobody, need come armed with press clippings.

The favorite argument against wrestling is that it is too rough. However, this is another misconception derived mainly from watching TV wrestling, or from ignorance of the facts. With the ideals of amateur sportsmanship constantly advocated, the athlete is trained for competition.

Bison Rivals



Leaping for the rebound is one of the famous Wright brothers, star players for the University of Manitoba Bisons, the WCIAU's top-scoring team. They are here seen in action against the University of Alberta Golden Bears, who will take them on during Varsity Guest Weekend.

Bears, Bisons To End WCIAU Season

By Gene Falkenberg
Western Intercollegiate Athletic Union hockey competition comes to an end on Varsity Guest Weekend with the U of A Golden Bears and the University of Manitoba Bisons clashing at Varsity Rink March 1 and 2.

Manitoba ranks as top contender in the western intercollegiate loop although playing in their first year of league competition. The league formerly consisted of only the U of A and U of S. This year both U of M and Brandon College entered to bring the number of competitors to four. The league is so organized that each team plays a two game total goal home and home series with each of the remaining clubs. This gives each team a total of 12 league games with the winner of league competition receiving the Hardy Cup. If a tie occurs, the team with the best goal-for-and-against average wins.

Another addition to this year's hockey picture has been the adoption of National Collegiate Athletic Association (United States colleges) hockey rules. Major changes include no red line, no body checking between blue lines, no body checking in the opponents defensive zone and 16 players to a team instead of 15.

The new rules have changed the style of hockey considerably. Instead of man to man tactics more puck handling has resulted. The long pass has also speeded up the play, keeping the defense players on their toes when playing in their opponent's defensive zone.

Along with WCIAU competition the Bears also play in a separate total point series with the University of British Columbia Thunderbirds for the Hamber Cup. This season's action took place at Varsity Rink on Feb. 4 and 5. The Bears emerged as victors taking both games by the scores of 4-3 and 8-4. They retained the Hamber Cup for the seventh time since its inauguration in 1950. Play alternates each year between U of A and UBC camp.

In the past the Bears have also played exhibition games with the University of Denver and Colorado College, Colorado. The addition of the two Manitoba teams necessitated the elimination of this exhibition tour in the US.

A game with the alumni (former Golden Bears, now graduated) was organized this season and it is anticipated that this competition will become an annual affair.

The Bears are coached by Dr. Don Smith of the school of physical education who has guided the club for the past several seasons.

The Green and Gold squad are present holders of the Hardy Cup and have held the trophy for the past three seasons. Players on the team come from all over Alberta and Western Canada. They include:

- Bill Wintermute**—Age 19; Ht. 5'11"; Wt., 170; Home town, McLennan; Shoots right; Position, defense; First season; arts 1.
Stu Bailey—Age 28; Ht. 5'11"; Wt. 190; Home town, Camrose; Shoots right; Position, right wing; First season; pharm 3.
Stu Hall—Age 23; Ht. 6'2"; Wt. 180;

Putting On Pressure



Photo by Jamie Mackeage

Golden Bears Bob Ramsay, (16) and Don Kirk (6) were stopped this time by the UBC goalie, but the Bears later went on to win the game. Varsity Guest Weekend visitors will see the Bears taken on the University of Manitoba Bisons.

Home town, Edmonton; Shoots left; Position, center; First season; arts 2.

Denis Fonteyne—Age 20; Ht. 5'11"; Wt. 160; Home town, Wetaskiwin; Shoots left; Position, left wing; First season, comm 2.

Don McDonald—Age 21; Ht. 6'2"; Wt. 170; Home town, Jine Falls, Man.; Shoots left; Position, defense; Second season; eng 2.

Bob McGhee—Age 24; Ht. 5'10"; Wt. 150; Home town, Moose Jaw, Sask.; Shoots left; Position, center; Second season; eng 2.

Les Zimmer—Age 19; Ht. 5'7"; Wt. 173; Home town, Edmonton; Shoots left; Position left wing; Second season; geology 1.

Bob Ramsay—Age 23; Ht. 5'6"; Wt. 155; Home town, Edgerton; Shoots right; Position, right wing; Second season; phys ed 2.

Adam Kryczka—Age 19; Ht. 6'; Wt. 175; Home town Calgary; Shoots left; Position, goal; Third season; geology 3.

Bill Masson—Age 21; Ht. 5'11"; Wt. 185; Home town, Irma; Shoots left; Position left wing; Second season; eng 3.

Don Kirk—Age 25; Ht. 6'3"; Wt. 190; Home town, Edmonton; Shoots

right; Position, centre; Fifth season; med 4.

Ed Sorochnik—Age 24; Ht. 5'9"; Wt. 175; Home town, Fairview; Shoots right; Position, right wing; Third season; arts and science 5.

Ray Sawka—Age 17; Wt., 190; Home town, Edmonton; Shoots right; Position, defense; First season.

Ted Scherban—Age 20; Ht. 5'8"; Wt. 160; Home town, Myrnam; Shoots right; Position right wing; Second season; phys ed 2.

Vern Pachal—Age 26; Ht. 5'11"; Wt. 165; Home town, Yorkton, Sask.; Shoots right; Position, centre; First season; phys ed 2.

Jack Lyndon—Age 22; Ht. 5'11"; Wt. 180; Home town, Edmonton; Position, goal; Third season; arts 3.

Bruce Millar—Age 21; Ht. 5'11"; Wt. 160; Home town, Grande Prairie; Shoots left; Position, defense; First season; comm 2.

Ross Hetherington—Age 20; Ht. 5'9"; Wt. 190; Home town, Turner Valley; Shoots left; Position, defense; first season, phys ed 2.

Pete Connellan—Age 20; Ht. 5'9"; Wt. 160; Home town, Regina, Sask.; Shoots right; Position, center; First season; phys ed 2.

Enthusiasm Major Requirement

Join Famous Interfac Hockey League

By Burt Demerize

The East may have the NHL and the West the WHL, but here on the University campus we have our own unique hockey league, the Interfaculty Hockey League. While many of the players making up the 11 teams in this schedule, are not colorful Dick Duff's or Jean Beliveau's,

they are unique in that they hail from all corners of our province, as well as from our neighboring provinces to the East and West.

Now, if you plan on enrolling at this University and if you are an enthusiastic follower of the sport, then how polished must you be to qualify for this Interfaculty league? Well first of all, if you can follow your stick in a forward direction with enough insight as to which way you are going, then your chances of wearing your faculty's colors into the hockey war for the Athletic Association trophy are reasonably good.

Secondly, if you have the good fortune and talent to be drafted by the big brother Golden Bear hockey squad, then you are automatically ineligible to compete in this league.

A team sweater and all equipment is supplied by the University with the exception of skates and sticks, which must be supplied by individual

Complete Program Directed By WAA

By Pat Johnstone

Archery, badminton, basketball, bowling, broomball, curling, golf, tennis, table tennis, track, skating, swimming, volleyball—these are the athletic activities in which co-eds at the University of Alberta participate. There is a place for everyone in the Women's Athletic Association program, which seeks to satisfy the sports needs of the women on the campus.

The WAA is composed of all women students on the campus and it offers both intramural and extramural activities for anyone whether a beginner or a proficient athlete.

Participation alone is not the only aspect of sport life on the campus. All girls interested in any phase of athletics whether it be playing, managing a team, refereeing or sports writing are accommodated in the program.

Intramural activities are the core of women's athletics on the campus. These activities are designed for the average player who participates solely for recreation. Beginning in the fall there is a continuous round of intramural activities until spring. Volleyball has in recent years been the most popular intramural sport but the track and swimming meets and the table tennis and badminton tournaments have all had outstanding participation. Tennis, golf, bowling and broomball are also included on the intramural schedule.

The intramural program is organized into units which are made up of various faculties and women's groups on the campus.

Rifle Club Off-Campus

University Rifle club, owing to off-campus facilities, is unable to set up a display for Varsity Guest Weekend. But in this, its third year of existence, it looks back on successful competition. In its first year it defeated University of Manitoba in an intervarsity shoot and finished second by 10 points last year. In intervarsity competition it has done very well so far this year. The president of the rifle club is Jim Carroll; vice-president, Dave Mitchell; secretary-treasurer, Mike Barton.

Points are awarded for participation as well as competition and at the end of the season the winning unit is awarded the Rose Bowl, a much sought after trophy.

Intervarsity competition also has its place in campus activity. Alberta co-eds meet in competition with teams from the Universities of Manitoba and Saskatchewan in intervarsity action. Tennis, golf, badminton, basketball, curling, swimming, volleyball and figure skating teams meet with these universities in four sports weekends throughout the year. As at least two of these weekend schedules are played away from home the teams involved often have a trip in the offing. These trips as well as the honor of representing Alberta in intervarsity action make for keen rivalry for a spot on the teams.

Alberta teams also enter telegraphic meets in archery and bowling. In these events the teams play at home and wire their scores to a central point where the results from universities across Canada are tabulated.

All these activities need direction and this is done by the Women's Athletic Council, an elected executive. It is the purpose of the council to promote and direct amateur athletics among the women of the University of Alberta, and it is through the efforts of this group that the athletic program is kept running smoothly.

Active On Campus

Block 'A's' Contribute To Varsity

During the present academic year the block "A" Club has aided the public relations officer and staff with the annual football parade and is planning to assist them with Varsity Guest Weekend. The members of the club ran a successful Miss Freshette contest, the winner being Marj Clark. This group assisted the Women's Athletic Association during its annual weekend.

The Block "A" in conjunction with the promotions committee, after basketball games in an effort to get better attendance at has attempted to sponsor dances these games. They have also recommended a form which they drafted to be used by the men's awards committee to aid both the coaches and this committee.

The members of the Block "A" Club have aided Herb McLachlin with his intra-mural program. Two members of this club sit on the men's athletic awards committee.

At present the members include John Chappel, Dave Cornish, Bernie D'Aoust, Hugh Edgar, Sandy Fitch, Ron Ghitler, Cy Ing, Don Kirk, Adam Kryczka, Jack Lyndon, Jack Parkinson, Ed Sorochnik, Dave Steed, Bill Tichkowsky, Al Tollestrup, Ed Zahar, Oscar Kruger and Lou Gazdarica. The managers are Arnold Enger, Eugene Falkenberg and John Weir.

the highly competitive Commerce crew, will be out to retain their former status when they tangle with the greatly improved Arts and Science squad.

Block 'A' Honors Top Athletes

The Block "A" club is the University Athletic board's honorary society for men. To become a member, a male student must participate in intervarsity athletics for two or three years. This participation is not restricted to being on the team—it includes students managing, coaching, or training the team. The Big Block "A" Sweater is the highest athletic award on this campus.

Upon winning the Block "A" award the student is presented with a certificate of membership to the Block "A" club, a five year pass to any athletic event on the campus, and a Block "A" sweater.

The purpose of this club is to further athletics on the campus and, where possible, throughout the province. With this purpose in mind, they have tried various activities to promote greater interest in athletics.

Wonderful Life

Nursing Offers Varied Careers World Over

By Joyce Aylen

A nurse is a professional individual who has completed three years of practical and theoretical training, and has passed written registered-nurse examinations. As a person in the community, she is regarded as one to whom people can turn in time of need.

As a student nurse at the University of Alberta, she has the opportunity of living and working with all types of people, and of entering into the various student activities on and off campus.

This spring, a modern teaching department and residence is being completed, adding greatly to the present facilities, which now include single rooms, numerous lounges, a large auditorium and gym, TV, mezzanine, and an intercommunications system in each room.

At the University of Alberta hospital her training is very complete, for in three years she sees and experiences many difficult situations. At this hospital they have begun heart operations, and as a student she has the opportunity to see them. She also sees many cases connected with the cancer clinic, affiliates with the Aberhart Memorial hospital, works with polio patients in the respiratory ward, and has complete training in medicine, surgery, neurosurgery, maternity, pediatrics, and others.

The University of Alberta offers a post-graduate program in public health and teaching supervision, and these patterns are also included in the present five-year bachelor of science degree course in nursing.

Nursing as a career has many opportunities in hospitals, clinics, public health departments and industry. Hospitals all across Canada need more nurses, both students and graduates.

Public health is a relatively new type of nursing, in which the nurse goes to a smaller town, village, or outlying district to set up a clinic for nursing people during pregnancy or for accidents or major or minor illnesses.

In this type of nursing there are numerous career opportunities available, such as airlines stewardess, ship's nurse, or service in a foreign country, for the Canadian nurse is highly rated.

Nursing is a profession in which one matures in all phases of one's personality, intellectually, morally, socially, and emotionally. The nurse's attitude towards people is one of acceptance and understanding.

(Miss Aylen is a student in her third year of the five-year course leading to a Bachelor of Science degree in nursing. She is also the Nurses' representative on Students' Council.)

Scale And Working

Industrial Models To Be Displayed

Intricate working models, accurate in every detail, of various types of industrial equipment will be among displays set up by the engineering faculty during Varsity Guest Weekend. The displays will be located in various campus buildings.

A scale model of a proposed new Edmonton bridge at 105 street, with the approaches and interchanges serving it, will be displayed by the civil engineering department in room 111, Engineering building. In room B9, in the basement, visitors will see samples of concrete tested to destruction on a 300,000-pound testing machine.

River Flow studied

Other civil engineering displays in the Engineering building illustrate investigation with water flow. In the hydraulics laboratory, room 112, a 50-foot river tray which simulates an actual river shows in days how a river will change in many years. In room 112, a Pelton wheel, weirs, and other testing device will be shown.

An operating model of a circulating fluid catalyst bed will be set up in room 20, Medical building, as one of the chemical engineering department's group of displays. This model represents the operations involved in catalytic cracking of petroleum and regeneration of the spent catalyst.

A scale model of the sulfuric acid plant at Fort Saskatchewan, and various plant models used in demonstrating unit operations, including a glass model fractionation tower and a vacuum-type rotary filler, will be other chemical engineering displays. These may also be seen in room 20,

Medical building.

Tesla Coil Shown

The electrical engineering department will display various types of laboratory equipment in the east end of the power plant. This equipment will include a Tesla coil, oscillographs, which allow one to see the flow of electric current, and a high-voltage spark gap. The use of photo-electric cells will be demonstrated in another display.

An electronic drunkometer and two perpetual-motion machines will also be on display.

The east end of the second floor of the North lab will be the center of all displays for the department of mining and metallurgy. These displays will include one of ore concentration operations and machinery, including concentration of base metal, gold, and uranium ores, and pilot plant operations.

Ore-Smelting Display

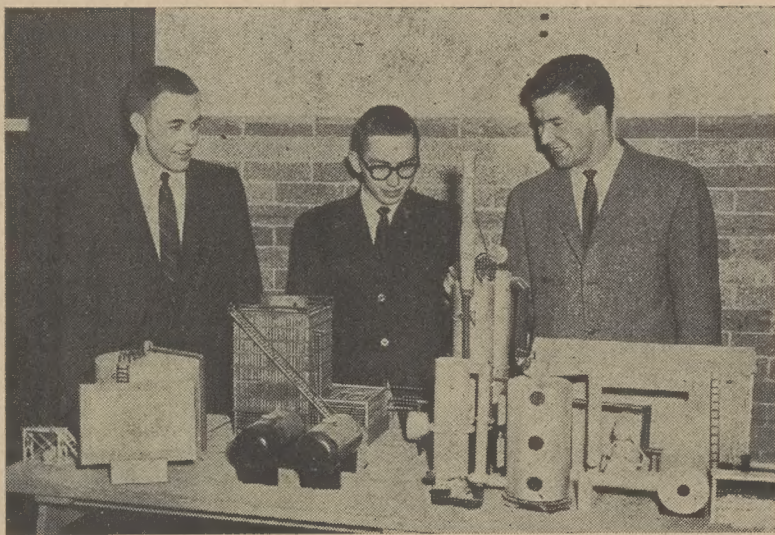
Smelting of ores, including the slags from assay furnaces, will be the subject of another display.

Displays of physical metallurgy equipment, such as a Reichert metallographic microscope, welding equipment, heat-testing furnaces will also be set up.

Visitors will also see an operating scale model of an underground ore-loading machine, and displays of various metals and alloys.

Tools used in the various phases of petroleum production will be displayed by the petroleum engineers on the first floor of the Engineering building, rooms 103 to 107. The multiple production system, built by these students for competition at the Engineers' Ball in January, will also be on display.

Complicated



The Engineers' plant display is inspected with interest by John Nasedkin (displays committee chairman) of Beaverlodge, Dale Birdsell (signs) of Edmonton, and Don Boyer (tours and transportation committee chairman) of Lethbridge.

Ball Will Honor Class Of '32

The class of '32 will be honored at this year's Homecoming Ball at the Macdonald hotel ballroom March 1. A re-incarnation of the old "Varsity Prom" will be the theme, inspiring ballroom decorations designed by Professor J. B. Taylor of the department of fine arts, and his students.

"Five hundred couples are expected to crowd the ballroom and banquet room," A. G. Markle, executive secretary of the General Alumni association told The Gateway. It will be the fifth annual Homecoming Ball.

Lieutenant-Governor J. G. Bowen, members of the provincial cabinet and their wives, Dr. Earle P. Scarlett, Chancellor of the Univer-

sity, and Mrs. Scarlett, Dr. Andrew Stewart, President of the University, and Mrs. Stewart, and Mr. C. M. Mcleod, chairman of the board of governors, and Mrs. Mcleod will be among special guests.

Chairman of the Homecoming Ball committee is N. H. McAfee '48, who is also chairman of the department store display committee. He is handling radio and TV advertising with the assistance of Miss Joyce Choate '53.

Other members of the committee are Bob Rogers '49, co-chairman, who is also in charge of promotion, J. C. Madsen '39, finance, A. D. Paul '39, decorations, O. P. Thomas '37, refreshments, Dr. George Decker '32, Class of '32, Miss Margaret Lang '31,

other classes, A. G. Markle '48 mailing pieces, The New Trail and The Edmonton Journal.

During the intermission, members of the famed "Varsity Old-timers" orchestra will be heard. This fivesome, popular on the campus 25 years ago, are Homecoming favorites. T. V. Newlove, '31, Edmonton bandsman, will lead the Grand March, which will have silver anniversary year class members in attendance.

Following an established pattern, the banquet room at the Macdonald will be known this year as Bar '32. A peep-show revealing the past with the aid of an "epideiscope" will be featured during the evening's entertainment.

Awareness Of Psych Branches Theme Of Club's Special Display

By Esther Halstein

A special Varsity Guest Weekend display sponsored by members of the student Psychology club will be aimed at promoting awareness of the various inter-related branches in the field of psychology. The display will be located in room 157, Medical building.

Four branches will be represented: experimental psychology, clinical psychology, psychometrics, and applied psychology, which includes vocational guidance, industrial psychology and personnel work. Each division will have several displays. The experimental section will have

a demonstration using a number of rats to illustrate testing apparatus and techniques.

Training of psychologists will be emphasized and information regarding the university training required for various levels such as social work will be provided. Relationship of psychology to associated fields will also be featured.

A film and question period relating to industrial psychology will be given.

The sociology department will also enter a display.

Members of the department will be on hand to explain all displays.

Check With Booklet

VGW Events Program

The following is a schedule of Varsity Guest Weekend events, as complete and accurate as was possible to compile at press-time. The visitor is advised to check with the booklet, which he will receive at registration March 1 or March 2.

Thursday, February 28

8:15 p.m.—"Varsity Varieties"—special students' night performance, Convocation hall.

Friday, March 1

2:00 p.m.—Registration begins at Students Union building or Arts building.

3:00 p.m.—Tea in Wauneita lounge, Students Union building.

4:15 p.m.—Opening ceremonies of Varsity Guest Weekend, Students Union building.

8:15 p.m.—"Varsity Varieties", Convocation hall.

8:30 p.m.—Hockey game at Varsity Rink, University of Alberta Golden Bears vs. University of Manitoba Bisons.

9:00 p.m.—Alumni Homecoming Ball, Macdonald Hotel.

Saturday, March 2

9:00 a.m.—Registration begins in all major buildings.

9:00 a.m. to 4:00 p.m.—Bus services Education building, University farm, and Nurses residence.

9:00 a.m. to 5:00 p.m.—Faculty displays open; nursing displays open at University hospital and Nurses residence.

10:00 a.m. to 5:00 p.m.—Nursery open at Students Union building.

1:30 p.m.—Joint musical program by the Mixed Chorus and the University Symphony orchestra, Convocation hall.

2:30 p.m.—Education tea and display, education building.

3:00 p.m. to 5:00 p.m.—Open house tea, Wauneita lounge, Students Union building.

3:30 p.m. to 5:00 p.m.—Sports program, Varsity gym.

5:00 p.m.—"Varsity Varieties", matinee performance, Convocation hall.

8:15 p.m.—"Varsity Varieties", Convocation hall.

8:30 p.m.—Hockey game, Varsity rink, University of Alberta Golden Bears vs. University of Manitoba Bisons.

Sunday, March 3

11:00 a.m.—Interdenominational church service, Convocation hall.

3:15 p.m.—Musical club concert, Convocation hall.

4:30 p.m.—Fraternity-sponsored tea, Wauneita lounge.